STN-Structure Search
10/28/05

10/506,584

Inventor

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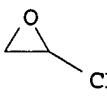
L7 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2003:719465 CAPLUS
DOCUMENT NUMBER: 139:246301
TITLE: Method for producing propylene oxide
INVENTOR(S): Abekawa, Hiroaki; Ishino, Masaru
PATENT ASSIGNEE(S): Sumitomo Chemical Company, Limited, Japan
SOURCE: PCT Int. Appl., 15 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003074506	A1	20030912	WO 2003-JP2288	20030228
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
JP 2003327581	A2	20031119	JP 2003-43870	20030221
EP 1489075	A1	20041222	EP 2003-707165	20030228
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
US 2005182264	A1	20050818	US 2003-506584	20030228
PRIORITY APPLN. INFO.:			JP 2002-56907 A	20020304
			WO 2003-JP2288 W	20030228

AB This document discloses a method for producing propylene oxide, characterized in that it comprises reacting propylene with hydrogen peroxide in the presence of an organic solvent (e.g., acetonitrile) and a crystalline **titanosilicate** catalyst which has the **MWW structure** and contains titanium which has been introduced during crystallization Propylene oxide (I) was prepared with 98% selectivity for I by the title method, vs. 95.8% selectivity for I in a prior art process.

IT **75-56-9P**, Propylene oxide, preparation
RL: IMF (Industrial manufacture); SPN (Synthetic preparation); **PREP (Preparation)**
(method for producing propylene oxide by reacting propylene with hydrogen peroxide in presence of acetonitrile and MWW **titanosilicate** catalyst)

RN 75-56-9 CAPLUS
CN Oxirane, methyl- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2003:719363 CAPLUS

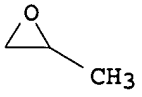
DOCUMENT NUMBER: 139:250954
TITLE: Method for improving crystalline **titanosilicate** catalyst with **MWW structure**
INVENTOR(S): Abekawa, Hiroaki; Ishino, Masaru
PATENT ASSIGNEE(S): Sumitomo Chemical Company, Limited, Japan
SOURCE: PCT Int. Appl., 12 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003074179	A1	20030912	WO 2003-JP2289	20030228
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
JP 2003326171	A2	20031118	JP 2003-43871	20030221
EP 1488853	A1	20041222	EP 2003-707166	20030228
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
US 2005227852	A1	20051013	US 2004-506645	20040903
PRIORITY APPLN. INFO.:			JP 2002-56908	A 20020304
			WO 2003-JP2289	W 20030228

AB The invention refers to a method for improving crystalline **titanosilicate** catalyst with **MWW structure**, wherein the crystalline **titanosilicate** catalyst is treated with a silylating agent. The catalyst is used in the epoxidn. of olefin to form epoxide in the presence of hydrogen peroxide oxidant and nitr.

IT **75-56-9P**, Propylene oxide, preparation
RL: SPN (Synthetic preparation); **PREP (Preparation)**
(method for improving crystalline **titanosilicate** catalyst with **MWW structure**)

RN 75-56-9 CAPLUS
CN Oxirane, methyl- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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(FILE 'HOME' ENTERED AT 13:27:13 ON 28 OCT 2005)

FILE 'REGISTRY' ENTERED AT 13:27:29 ON 28 OCT 2005
E PROPYLENE OXIDE/CN
L1 1 S E3

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     FILE 'CAPLUS' ENTERED AT 13:29:27 ON 28 OCT 2005
L2          2971 S L1/PREP
L3             0 S PROPYLENE/RCT
L4          1683 S TITANOSILICATE?
L5            86 S L2 AND L4
L6            16 S MWW STRUCTURE
L7             2 S L5 AND L6

=> d l1
YOU HAVE REQUESTED DATA FROM FILE 'REGISTRY' - CONTINUE? (Y)/N:y


L1   ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2005 ACS on STN
RN   75-56-9  REGISTRY
ED   Entered STN:  16 Nov 1984
CN   Oxirane, methyl- (9CI)  (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN   Oxypropylene (6CI)
CN   Propane, 1,2-epoxy- (7CI)
CN   Propylene oxide (8CI)
OTHER NAMES:
CN   (±)-1,2-Epoxypropane
CN   (±)-2-Methyloxirane
CN   (±)-Epoxypropane
CN   (±)-Methyloxirane
CN   (±)-Propylene oxide
CN   1,2-Epoxypropane
CN   1,2-Propylene oxide
CN   2,3-Epoxypropane
CN   AD 6
CN   AD 6 (suspending agent)
CN   DL-1,2-Epoxypropane
CN   dl-Propylene oxide
CN   Epihydrin
CN   Epoxypropane
CN   Methyloxacyclopropane
CN   Methyloxirane
CN   Propene oxide
CN   Propozone
CN   Propylene epoxide
FS   3D CONCORD
DR   16033-71-9
MF   C3 H6 O
CI   COM
LC   STN Files:   AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOBUSINESS, BIOSIS,
       BIOTECHNO, CA, CABA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB, CEN,
       CHEMCATS, CHEMINFORMRX, CHEMLIST, CHEMSAFE, CIN, CSCHEM, CSNB, DETHERM*,
       DIPPR*, EMBASE, ENCOMPLIT, ENCOMPLIT2, ENCOMPPAT, ENCOMPPAT2, GMELIN*,
       HODOC*, HSDB*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, MSDS-OHS,
       NIOSHTIC, PDLCOM*, PIRA, PROMT, PS, RTECS*, SPECINFO, TOXCENTER, TULSA,
       ULIDAT, USPAT2, USPATFULL, VTB
         (*File contains numerically searchable property data)
     Other Sources:   DSL**, EINECS**, TSCA**
         (**Enter CHEMLIST File for up-to-date regulatory information)
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